1. Record Nr. UNISALENTO991004308337307536

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| Titolo | Accumulazione, societÃ  civile, Stato : [scritti di] Francesco Cavazzuti ... [et al.] |
| Descrizione fisica | 80 p. ; 22 cm |
| Collana | Cultura/territorio ; 5<br>Quaderni del Centro culturale, del Centro studi religiosi e della Biblioteca Fondazione S. Carlo, Modena ; 2 |
| Altri autori (Persone) | Cavazzuti, Francescoauthor |
| Disciplina | 320.532 |
| Soggetti | Capitalismo<br>Comunismo<br>Stato |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

2. Record Nr. UNINA9910300099003321

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| Autore | Ghorpade Sudhir R |
| Titolo | A Course in Calculus and Real Analysis / / by Sudhir R. Ghorpade, Balmohan V. Limaye |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018 |
| ISBN | 9783030014001<br>3030014002 |
| Edizione | [2nd ed. 2018.] |
| Descrizione fisica | 1 online resource (IX, 538 p.) |
| Collana | Undergraduate Texts in Mathematics, , 2197-5604 |
| Disciplina | 515 |
| Soggetti | Mathematical analysis<br>Functions of real variables<br>Sequences (Mathematics)<br>Integral Transforms and Operational Calculus<br>Real Functions<br>Sequences, Series, Summability |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | 1. Numbers and Functions -- 2. Sequences -- 3. Continuity and Limits -- 4. Differentiation -- 5. Applications of Differentiation -- 6. Integration -- 7. Elementary Transcendental Functions -- 8. Applications and Approximations of Riemann Integrals -- 9. Infinite Series and Improper Integrals -- 10. Sequences and Series of Functions, Integrals Depending on a Parameter -- A. Construction of the Real Numbers -- B. Fundamental Theorem of Algebra -- References -- List of Symbols and Abbreviations -- Index. |
| Sommario/riassunto | Offering a unified exposition of calculus and classical real analysis, this textbook presents a meticulous introduction to singlevariable calculus. Throughout, the exposition makes a distinction between the intrinsic geometric definition of a notion and its analytic characterization, establishing firm foundations for topics often encountered earlier without proof. Each chapter contains numerous examples and a large selection of exercises, as well as a “Notes and Comments” section, which highlights distinctive features of the exposition and provides |

additional references to relevant literature. This second edition contains substantial revisions and additions, including several simplified proofs, new sections, and new and revised figures and exercises. A new chapter discusses sequences and series of realvalued functions of a real variable, and their continuous counterpart: improper integrals depending on a parameter. Two new appendices cover a construction of the real numbers using Cauchy sequences, and a self contained proof of the Fundamental Theorem of Algebra. In addition to the usual prerequisites for a first course in singlevariable calculus, the reader should possess some mathematical maturity and an ability to understand and appreciate proofs. This textbook can be used for a rigorous undergraduate course in calculus, or as a supplement to a later course in real analysis. The authors' A Course in Multivariable Calculus is an ideal companion volume, offering a natural extension of the approach developed here to the multivariable setting. From reviews: [The first edition is] a rigorous, well-presented and original introduction to the core of undergraduate mathematics — first-year calculus. It develops this subject carefully from a foundation of high-school algebra, with interesting improvements and insights rarely found in other books. […] This book is a tour de force, and a necessary addition to thelibrary of anyone involved in teaching calculus, or studying it seriously. N.J. Wildberger, Aust. Math. Soc. Gaz.